Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-32. (Cancelled)
- 33. (Previously Presented) A cast aluminum alloy article formed from a 6000 series aluminum alloy and having an elongation of at least about 4% and a tensile strength of at least about 38 KSI, wherein the aluminum alloy consists essentially of a substantially uniform and generally round grain structure.
- 34. (Original) The article of Claim 33 having a 0.2 % offset yield strength of at least about 32 KSI.
- 35. (Original) The article of Claim 34 having a tensile strength of at least about 50 KSI.
 - 36. (Original) The article of Claim 34 having an elongation of at least 8%.
- 37. (Original) The article of Claim 34 having a 0.2 % offset yield strength of at least about 45 KSI.
- 38. (Previously Presented) The article of Claim 33 having an elongation of at least 6%, a tensile strength of at least about 45 KSI and a 0.2 % offset yield strength of at least about 40 KSI.
- 39. (Original) The article of Claim 33 having a Brinell Hardness at 500 kg load of at least about 80.
 - 40-45. (Cancelled.)
- 46. (Previously Presented) The article of Claim 33 wherein the aluminum alloy is substantially free of micropores having a largest dimension which exceeds 0.0001 inch.
- 47. (Previously Presented) The article of Claim 33 wherein the aluminum alloy has an average grain size of about 0.003 to 0.004 inch.

- (Previously Presented) The article of Claim 33 wherein the aluminum alloy is 48. substantially free of microshrinkage defects.
- (Previously Presented) The article of Claim 33 wherein the aluminum alloy is 49. substantially free of intergranular voids.
 - 50. (Cancelled.)
- (Previously Presented) The article of Claim 33 wherein the aluminum alloy 51. has an elongation of at least about 6%.
- (Previously Presented) The article of Claim 33 wherein the aluminum alloy is 52. a 6061 aluminum alloy which has a tensile strength of at least about 45 KSI, a 0.2 % offset yield strength of at least about 40 KSI, and a Brinell Hardness at 500 kg load of at least about 80.
- (Previously Presented) A cast aluminum alloy article formed from a 6000 53. series aluminum alloy and having an elongation of at least about 4%, a 0.2 % offset yield strength of at least about 32 KSI, and a tensile strength of at least about 38 KSI, wherein the aluminum alloy consists essentially of a substantially uniform and generally round grain structure; and is substantially free of micropores having a largest dimension which exceeds 0.0001 inch; and the generally round grain structure has an average grain size of about 0.003 to 0.004 inch.
- (Previously Presented) A high strength cast aluminum alloy product formed 54. from a 6000 series aluminum alloy, wherein the aluminum alloy product consists essentially of a substantially uniform and a generally round grain structure, substantially free of microshrinkage defects and is produced by a process comprising the steps of:

providing a molten body of the 6000 series aluminum alloy; centrifugally casting the molten body to form a cast body; and hot isostatically processing the cast body to form a hipped body,

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wherein the aluminum alloy product has an elongation of at least about 4%, a 0.2 % offset yield strength of at least about 32 KSI, and a tensile strength of at least about 38 KSI.

- 55. (Previously Presented) The product of Claim 54 wherein the aluminum alloy has a Brinell Hardness at 500 kg load of at least about 80.
- 56. (Previously Presented) The product of Claim 54 wherein the aluminum alloy is a 6061 aluminum alloy which has an elongation of at least about 6% and a tensile strength of at least about 42 KSI.
- 57. (Previously Presented) The product of Claim 54 wherein the aluminum alloy is substantially free of micropores having a largest dimension which exceeds 0.0001 inch; and the generally round grain structure has an average grain size of about 0.003 to 0.004 inch.
- 58. (Previously Presented) The product of Claim 54 wherein the aluminum alloy has a 0.2 % offset yield strength of at least about 40 KSI, and a tensile strength of at least about 45 KSI.
- 59. (Previously Presented) A high strength cast aluminum alloy product formed from a 7000 series aluminum alloy, wherein the aluminum alloy product consists essentially of a substantially uniform and a generally round grain structure, substantially free of microshrinkage defects and is produced by a process comprising the steps of:

providing a molten body of the 7000 series aluminum alloy; centrifugally casting the molten body to form a cast body; and hot isostatically processing the cast body to form a hipped body; wherein the aluminum alloy product has an elongation of at least about 4%, a

0.2 % offset yield strength of at least about 40 KSI, and a tensile strength of at least about 50 KSI.

- 60. (Cancelled.)
- 61. (Previously Presented) The product of Claim 59 wherein the aluminum alloy has a tensile strength of at least about 75 KSI.

- 62. (Previously Presented) The product of Claim 59 wherein the aluminum alloy has a 0.2 % offset yield strength of at least about 65 KSI.
- 63. (Previously Presented) The product of Claim 59 wherein the aluminum alloy is a 7075 aluminum alloy.
- 64. (Previously Presented) The product of Claim 63 wherein the aluminum alloy is a 7075-T6 aluminum alloy.
- 65. (Previously Presented) The product of Claim 59 wherein the aluminum alloy is has a Brinell Hardness at 500 kg load of at least about 80.
- 66. (Previously Presented) The product of Claim 59 wherein the aluminum alloy has an elongation of at least about 4%; a tensile strength of at least about 75 KSI; and a 0.2 % offset yield strength of at least about 65 KSI.
- 67. (Previously Presented) A cast aluminum alloy product formed from a 6000 series aluminum alloy, wherein the aluminum alloy consists essentially of a substantially uniform and generally round grain structure and is substantially free of micropores having a largest dimension which exceeds about 0.0001 inch; and

the aluminum alloy has an elongation of at least about 4 %; a 0.2 % offset yield strength of at least about 32 KSI; and a tensile strength of at least about 38 KSI.

- 68. (Previously Presented) The product of claim 67 wherein the alloy has a tensile strength of at least about 50 KSI.
- 69. (Previously Presented) The product of claim 67 wherein the aluminum alloy has an elongation of at least about 6 %.
- 70. (Previously Presented) The product of claim 67 wherein aluminum alloy has a 0.2 % offset yield strength of at least about 45 KSI.
- 71. (Previously Presented) The product of claim 67 wherein aluminum alloy has a Brinell Hardness at 500 Kg load of at least about 80.

- 72. (Previously Presented) The product of claim 67 wherein aluminum alloy is a 6061 aluminum alloy.
- 73. (Previously Presented) A cast aluminum alloy product formed from a 7000 series aluminum alloy, wherein the aluminum alloy consists essentially of a substantially uniform and generally round grain structure and is substantially free of micropores having a largest dimension which exceeds about 0.0001 inch; and

the aluminum alloy has an elongation of at least about 4 %; a 0.2 % offset yield strength of at least about 40 KSI; and a tensile strength of at least about 50 KSI.

- 74. (Previously Presented) The product of claim 73 wherein the alloy has a tensile strength of at least about 75 KSI.
- 75. (Previously Presented) The product of claim 73 wherein the aluminum alloy has an elongation of at least about 6 %.
- 76. (Previously Presented) The product of claim 73 wherein aluminum alloy has a 0.2 % offset yield strength of at least about 65 KSI.
- 77. (Previously Presented) The product of claim 73 wherein aluminum alloy has a Brinell Hardness at 500 Kg load of at least about 80.
- 78. (Previously Presented) The product of claim 73 wherein aluminum alloy is a 7075 aluminum alloy.
- 79. (Previously Presented) The product of claim 73 wherein aluminum alloy is a 7075-T6 aluminum alloy.